

REMARKS

Claims 1-37 are pending in the present application. Claims 24, 26, 27, and 37 have been canceled by the present amendment. Accordingly, claims 1-23, 25, and 28-36 will remain pending after entry of the present amendment.

Applicant notes with appreciation that the Examiner has indicated that claims 7-11, 14-20, 23, 24, 27, 29-32, and 35-37 include allowable subject matter and would stand allowed if rewritten in independent form. Claims 1, 6, 12, 13, 21, 22, 25, 26, 28, and 33 stand rejected under 35 U.S.C. § 102(b). Claims 2-5 and 34 stand rejected under 35 U.S.C. § 103.

Applicant has amended claim 1 to recite the limitations of claim 24 to thereby present originally submitted claim 24 in independent form. Accordingly, claim 24 has been canceled.

Applicant has amended each of claims 7 and 8 to recite the limitations of claims 1 and 6. Claims 7 and 8 have therefore each been rewritten in independent form to include the limitations of the base claim 1 and intervening claim 6.

Applicant has amended each of claims 14 and 15 to recite the limitations of claims 1 and 13. Claims 14 and 15 have therefore each been rewritten in independent form to include the limitations of the base claim 1 and intervening claim 13.

Claim 19 has been amended to recite the limitations of claim 1. Although claim 19 as originally submitted depended from claim 13, the limitations of claim 13 have not been incorporated into amended claim 19. Applicant respectfully asserts, however, that the art of record does not teach “a second control signal output at said second control signal output port is directly related to a difference of a collector current of a transistor of said second transistor differential pair and a collector current of another transistor of said second transistor differential pair” as set forth in claim 19.

Claims 20 and 23 have each been amended to recite the limitations of claim 1. Each of claims 20 and 23 have therefore been rewritten in independent form.

Applicant has amended claim 25 to recite the limitations of claims 26 and 27 to thereby present originally submitted claim 27 in independent form. Accordingly, claims 26 and 27 have been canceled, and claim 28 has been amended to depend from claim 25 rather than canceled claim 26.

Claim 29 has been amended to recite the limitations of claims 25, 26, and 28. Claim 29 has therefore been rewritten in independent form to include the limitations of base claim 25 and intervening claims 26 and 28.

Applicant has amended claim 33 to recite the limitations of claim 37 to thereby present originally submitted claim 37 in independent form. Accordingly, claim 37 has been canceled.

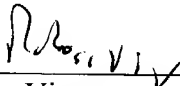
Claims 35 and 36 have each been amended to recite the limitations of claim 33. Each of claims 35 and 36 have therefore been rewritten in independent form.

In view of the above, Applicant believes the pending application is in condition for allowance.

Applicants believe that a fee of \$440.00 is due with this response. However, if there is any further amount due, please charge Deposit Account No. 06-2380, under Order No. 49581/P029US/10103788 from which the undersigned is authorized to draw.

Dated: November 23, 2004

Respectfully submitted,

By 
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